**Table 1.** Matrix of commonalties and linkages in the proposed multi-state research project W-5186.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | AL | AR | CA-D | CA-R | FL | HI | IN | LA | MD | MI | NC | NE | NM | WA |
| Nematode Groups |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  Cyst nematodes |   | \* |   |   | \* | \* | \* |   |   | \* |   | \* |   |   |
|  Root-knot nematodes | \* |   |   |   |   |   | \* | \* | \* |   | \* |   |   | \* |
|  Warm-climate group3 | \* | \* | \* | \* | \* | \* |   | \* |   | \* | \* | \* | \* |   |
|  Cool-climate group4 |   |   | \* | \* |   |   |   |   |   | \* |   | \* | \* | \* |
|  Other Endoparasitic types5 | \* |   | \* |   |   | \* |   | \* | \* | \* | \* | \* |   | \* |
|  Ectoparasitic nematodes6 |   |   |   |   |   |   |   |   |   | \* |   | \* |   |   |
|  Entomophilic nematodes | \* |   |   | \* |   | \* |   |   |   |   |   |   |   |   |
|  Free-living nematodes | \* |   |   | \* |   |   |   | \* |   | \* | \* | \* |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Scientific Emphasis |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  Host plant resistance | \* | \* | \* |   | \* | \* |   | \* | \* | \* | \* |   | \* | \* |
|  Rotations | \* | \* | \* |   | \* |   |   | \* |   | \* | \* |   | \* |   |
|  Molecular techniques |   | \* | \* | \* | \* |   |   |   | \* |   |   | \* | \* | \* |
|  Genetics |   |   | \* | \* |   |   |   |   | \* |   |   |   |   | \* |
|  Virulence/avirulence |   |   | \* |   |   |   |   | \* |   |   | \* |   |   | \* |
|  Host range | \* | \* | \* |   | \* | \* |   | \* |   | \* | \* |   | \* | \* |
|  Nematicides | \* |   | \* |   |   | \* |   | \* |   |   | \* |   |   |   |
|  Temperature/environment | \* | \* |   |   |   | \* |   | \* |   | \* | \* |   | \* |   |
|  Cover and trap crops | \* |   |   |   | \* | \* |   | \* |   | \* | \* |   | \* |   |
| Major Crops |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  Cotton | \* | \* | \* |   | \* |   |   | \* |   |   | \* |   | \* |   |
|  Sugarbeets/Brassicas |   |   | \* |   |   | \* |   |   |   | \* |   |   |   |   |
|  Potato |   |   |   |   |   |   |   |   | \* | \* |   |   | \* | \* |
|  Small grains/corn/grasses | \* |   | \* |   |   |   |   | \* | \* | \* | \* | \* | \* |   |
|  Alfalfa/Legumes |   |   | \* |   |   |   |   |   | \* |   |   |   | \* |   |
|  Soybeans | \* | \* |   |   | \* |   | \* | \* |   | \* | \* | \* | \* |   |
|  Vegetables/fruit7 | \* |   | \* |   | \* | \* | \* | \* |   | \* | \* |   | \* | \* |